## **SIEMENS**

Data sheet 3RV1011-0FA10



Circuit breaker size S00 for motor protection, CLASS 10 A-release 0.35...0.5 A N-release 6.5 A Screw terminal Standard switching capacity

product designation design of the product product type designation General technical data size of the circuit-breaker Size of the circuit-breaker Size of contactor can be combined company-specific product extension auxiliary switch yes power loss [W] for rated value of the current • at AC in hot operating state • at AC in hot operating state per pole 1.8 W insulation voltage with degree of pollution 3 at AC rated value surge voltage resistance rated value surge voltage resistance rated value • of the main contacts typical • of the main contacts typical lectrical endurance (operating cycles) typical electrical endurance (operating cycles) typical freference code according to IEC 81346-2 Q Substance Prohibitance (Date) SWHC substance name Lead - 7439-92-1  Ambient conditions installation altitude at height above sea level maximum ambient temperature • during storage • during transport during transport - 50 +80 °C - 40 uring transport - 50 +80 °C - 50 +80 °C - 40 uring transport - 50 +80 °C - 50 +80 °C - 40 uring transport - 50 +80 °C - 40 uring transport - 50 +80 °C - 40 uring transport - 50 +80 °C - 50 +80 °C - 40 uring transport - 50 +80 °C - 50 +80 °C - 40 uring transport - 50 +80 °C - 50 +80 °C - 40 uring transport - 50 +80 °C - 50 +80 °C - 40 uring transport - 50 +80 °C	SIRIUS
product type designation 3RV1  General technical data  size of the circuit-breaker 500 size of contactor can be combined company-specific 500 product extension auxiliary switch Yes  power loss [W] for rated value of the current  • at AC in hot operating state 5.5 W • at AC in hot operating state 9.8 W • at AC in hot operating state 9.8 W insulation voltage with degree of pollution 3 at AC rated value 680 V  surge voltage resistance rated value 6 kV  mechanical service life (operating cycles) • of the main contacts typical 100 000 • of auxiliary contacts typical 100 000 electrical endurance (operating cycles) typical 100 000 reference code according to IEC 81346-2 Q Substance Prohibitance (Date) 01/01/2013 SVHC substance name Lead - 7439-92-1  Ambient conditions installation altitude at height above sea level maximum 2 000 m ambient temperature • during operation -20 +60 °C • during storage -50 +80 °C • during transport -50 +80 °C relative humidity during operation 10 95 % Main circuit number of poles for main current circuit 3 adjustable current response value current of the current-dependent overload release opperating voltage • rated value 20 690 V	Circuit breaker
General technical data  size of the circuit-breaker  size of contactor can be combined company-specific  So0  product extension auxiliary switch  • at AC in hot operating state • at AC in hot operating state per pole insulation voltage with degree of pollution 3 at AC rated value  surge voltage resistance rated value  surge voltage resistance rated value  • of the main contacts typical • of auxiliary contacts typical  • of auxiliary contacts typical  • of auxiliary contacts typical  substance (operating cycles) (typical)  electrical endurance (operating cycles) (typical)  reference code according to IEC 81346-2  Quubstance Prohibitance (Date)  SVHC substance name  Lead - 7439-92-1  Ambient conditions  installation altitude at height above sea level maximum  during operation  • during storage • during transport  relative humidity during operation  Nain circuit  number of poles for main current circuit  adjustable current response value current of the current-dependent overload release  • rated value  • rated value  20 690 V	For motor protection
size of the circuit-breaker size of contactor can be combined company-specific product extension auxiliary switch  • at AC in hot operating state • at AC in hot operating state per pole 1.8 W insulation voltage with degree of pollution 3 at AC rated value 6 kV  mechanical service life (operating cycles) • of the main contact typical 100 000 • of auxiliary contacts typical 100 000 • of auxiliary contacts typical 100 000 • of auxiliary contacts typical 2 Q Substance Prohibitance (Operating cycles) typical SVHC substance name Lead - 7439-92-1  Ambient conditions installation altitude at height above sea level maximum 2 000 m  ambient temperature • during operation • during storage • during transport -50 +80 °C • during transport relative humidity during operation 10 95 %  Main circuit number of poles for main current circuit 3 adjustable current response value current of the current-dependent overload release operating voltage • rated value 2 0 690 V	3RV1
size of contactor can be combined company-specific product extension auxiliary switch  power loss [W] for rated value of the current  • at AC in hot operating state • at AC in hot operating state per pole 1.8 W insulation voltage with degree of pollution 3 at AC rated value 690 V surge voltage resistance rated value 6 kV mechanical service life (operating cycles) • of the main contacts typical 100 000 electrical endurance (operating cycles) typical electrical endurance (operating cycles) typical 20 Substance Prohibitance (Date) 3 VHC substance name 4 Lead - 7439-92-1 Ambient conditions installation altitude at height above sea level maximum 2 000 m ambient temperature • during operation • during storage • during storage • during storage • during transport relative humidity during operation 10 95 % Main circuit  number of poles for main current circuit 3 adjustable current response value current of the current-dependent overload release operating voltage • rated value • rated value  • a complete current value current of the current-dependent overload release operating voltage • rated value  2 0 690 V	
product extension auxiliary switch  power loss [W] for rated value of the current  • at AC in hot operating state • at AC in hot operating state per pole  insulation voltage with degree of pollution 3 at AC rated value  surge voltage resistance rated value  6 kV  mechanical service life (operating cycles) • of the main contacts typical • of auxiliary contacts typical lectrical endurance (operating cycles) typical 100 000  reference code according to IEC 81346-2 Q Substance Prohibitance (Date)  SVHC substance name  Lead - 7439-92-1  Ambient conditions  installation altitude at height above sea level maximum ambient temperature • during operation • during storage • during storage • during transport  relative humidity during operation  10 95 %  Main circuit  number of poles for main current circuit adjustable current response value current of the current-dependent overload release  operating voltage • rated value  2 0 690 V	S00
power loss [W] for rated value of the current  • at AC in hot operating state • at AC in hot operating state per pole insulation voltage with degree of pollution 3 at AC rated value surge voltage resistance rated value 680 V  mechanical service life (operating cycles) • of the main contacts typical 100 000 • of auxiliary contacts typical 100 000 electrical endurance (operating cycles) typical 100 000 reference code according to IEC 81346-2 Q Substance Prohibitance (Date) 01/01/2013 SVHC substance name Lead - 7439-92-1  Ambient conditions installation altitude at height above sea level maximum 2 000 m  ambient temperature • during operation • during storage • during transport relative humicity during operation 10 95 %  Main circuit  number of poles for main current circuit 3 adjustable current response value current of the current-dependent overload release operating voltage • rated value 2 0 690 V	<b>c</b> S00
at AC in hot operating state at AC in hot operating state per pole 1.8 W insulation voltage with degree of pollution 3 at AC rated value surge voltage resistance rated value 690 V  mechanical service life (operating cycles) of the main contacts typical 100 000 electrical endurance (operating cycles) typical electrical endurance (operating cycles) typical 100 000 reference code according to IEC 81346-2 Q Substance Prohibitance (Date) 3VHC substance name Lead - 7439-92-1  Ambient conditions installation altitude at height above sea level maximum 2 000 m  ambient temperature olduring storage olduring storage olduring storage olduring transport relative humidity during operation 10 95 %  Main circuit number of poles for main current circuit adjustable current response value current of the current-dependent overload release operating voltage or rated value 20 690 V	Yes
at AC in hot operating state per pole insulation voltage with degree of pollution 3 at AC rated value  surge voltage resistance rated value  mechanical service life (operating cycles)  of the main contacts typical  of auxiliary contacts typical  lectrical endurance (operating cycles) typical  reference code according to IEC 81346-2  Quultiput SyHC substance name  Lead - 7439-92-1  Ambient conditions  installation altitude at height above sea level maximum  ambient temperature  oluring operation  during storage  oluring storage  oluring transport  relative humidity during operation  Main circuit  number of poles for main current circuit  adjustable current response value current of the current-dependent overload release  operating voltage  or rated value  1.8 W  690 V  800 O  100 000	
insulation voltage with degree of pollution 3 at AC rated value  surge voltage resistance rated value  of the main contacts typical  of the main contacts typical  lou 000  electrical endurance (operating cycles) typical  lou 000  reference code according to IEC 81346-2  Substance Prohibitance (Date)  SVHC substance name  Lead - 7439-92-1  Ambient conditions  installation altitude at height above sea level maximum  ambient temperature  of during operation  of during storage  of during storage  of during storage  of during operation  10 95 %  Main circuit  number of poles for main current circuit  adjustable current response value current of the current-dependent overload release  operating voltage  or rated value  e of the main care of poles for wall current of the current-dependent overload release  operating voltage  or rated value  e of the main care of poles for main current of the current-dependent overload release  operating voltage  or rated value  e of the main care of poles for main current of the current-dependent overload release  operating voltage  or rated value  e of the main care of poles for main current of the current-dependent overload release  operating voltage  or rated value	5.5 W
surge voltage resistance rated value  mechanical service life (operating cycles)  of the main contacts typical  of auxiliary contacts typical  ledectrical endurance (operating cycles) typical  reference code according to IEC 81346-2  Substance Prohibitance (Date)  SVHC substance name  Lead - 7439-92-1  Ambient conditions  installation altitude at height above sea level maximum  of during operation  of during storage  of during storage  of during transport  relative humidity during operation  10 95 %  Main circuit  number of poles for main current circuit  adjustable current response value current of the current-dependent overload release  operating voltage  or rated value  e of the main corditions  100 000  10	1.8 W
mechanical service life (operating cycles)  • of the main contacts typical  • of auxiliary contacts typical  electrical endurance (operating cycles) typical  reference code according to IEC 81346-2  Substance Prohibitance (Date)  SVHC substance name  Lead - 7439-92-1  Ambient conditions  installation altitude at height above sea level maximum  ambient temperature  • during operation  • during storage  • during storage  • during transport  relative humidity during operation  Main circuit  number of poles for main current circuit  adjustable current response value current of the current-dependent overload release  operating voltage  • rated value  100 000  100 000  100 000  100 000  100 000  101/2013  200 00  100 00	value 690 V
of the main contacts typical     of auxiliary contacts typical     electrical endurance (operating cycles) typical     lou 000  reference code according to IEC 81346-2 Q Substance Prohibitance (Date) SVHC substance name Lead - 7439-92-1  Ambient conditions  installation altitude at height above sea level maximum ambient temperature     oduring operation     oduring storage     oduring transport relative humidity during operation  Main circuit number of poles for main current circuit adjustable current response value current of the current-dependent overload release operating voltage     rated value  100 000 10	6 kV
of auxiliary contacts typical electrical endurance (operating cycles) typical reference code according to IEC 81346-2 Q Substance Prohibitance (Date) O1/01/2013 SVHC substance name Lead - 7439-92-1  Ambient conditions installation altitude at height above sea level maximum ambient temperature     o during operation     o during storage     o during transport relative humidity during operation  Main circuit number of poles for main current circuit adjustable current response value current of the current-dependent overload release operating voltage     rated value  100 000 00 00 00 00 01/01/2013 00 00 00 00 00 00 00 00 00 00 00 00 00	
electrical endurance (operating cycles) typical  reference code according to IEC 81346-2  Q Substance Prohibitance (Date)  SVHC substance name  Lead - 7439-92-1  Ambient conditions  installation altitude at height above sea level maximum  ambient temperature  • during operation  • during storage  • during transport  relative humidity during operation  10 95 %  Main circuit  number of poles for main current circuit  adjustable current response value current of the current-dependent overload release  operating voltage  • rated value  100 000  0  0  0  0  0  0  0  0  0  0  0	100 000
reference code according to IEC 81346-2 Q Substance Prohibitance (Date) 01/01/2013 SVHC substance name Lead - 7439-92-1  Ambient conditions installation altitude at height above sea level maximum 2 000 m  ambient temperature	100 000
Substance Prohibitance (Date)  SVHC substance name  Lead - 7439-92-1  Ambient conditions  installation altitude at height above sea level maximum  2 000 m  ambient temperature  • during operation  • during storage  • during transport  relative humidity during operation  10 95 %  Main circuit  number of poles for main current circuit  adjustable current response value current of the current-dependent overload release  operating voltage  • rated value  0 10/01/2013  2 000 m  2 000 m  -20 +60 °C  -20 +60 °C  -50 +80 °C  -50 +80 °C  0 95 %  Main circuit  1 0 95 %	100 000
SVHC substance name  Ambient conditions  installation altitude at height above sea level maximum  ambient temperature  • during operation  • during storage  • during transport  relative humidity during operation  10 95 %  Main circuit  number of poles for main current circuit  adjustable current response value current of the current-dependent overload release  operating voltage  • rated value  Lead - 7439-92-1  Lead - 7439-92-1  Lead - 7439-92-1  Ambiert - 7439-92-1  Lead - 7439-92-1   Lead - 7439-92-1   Lead - 7439-92-1   Ambiert - 7439-92-1   2 0 +60 °C  -50 +80 °C  -50 +80 °C  relative humidity during operation  10 95 %	Q
Installation altitude at height above sea level maximum  ambient temperature  during operation  during storage  during transport  relative humidity during operation  10 95 %  Main circuit  number of poles for main current circuit  adjustable current response value current of the current-dependent overload release  operating voltage  rated value  2 000 m  2 000 m  -20 +60 °C  -50 +80 °C  -50 +80 °C  7 0 +80 °C  10 95 %	01/01/2013
installation altitude at height above sea level maximum  ambient temperature  • during operation  • during storage  • during transport  relative humidity during operation  10 95 %  Main circuit  number of poles for main current circuit  adjustable current response value current of the current-dependent overload release  operating voltage  • rated value  2 000 m  2 0	Lead - 7439-92-1
ambient temperature  • during operation  • during storage  • during transport  -50 +80 °C  • during transport  -50 +80 °C  relative humidity during operation  10 95 %  Main circuit  number of poles for main current circuit  adjustable current response value current of the current-dependent overload release  operating voltage  • rated value  20 690 V	
<ul> <li>during operation</li> <li>during storage</li> <li>50 +80 °C</li> <li>during transport</li> <li>50 +80 °C</li> <li>relative humidity during operation</li> <li>10 95 %</li> <li>Main circuit</li> <li>number of poles for main current circuit</li> <li>adjustable current response value current of the current-dependent overload release</li> <li>operating voltage</li> <li>rated value</li> <li>20 690 V</li> </ul>	2 000 m
<ul> <li>during storage         <ul> <li>during transport</li> <li>50 +80 °C</li> </ul> </li> <li>relative humidity during operation</li> <li>10 95 %</li> </ul> <li>Main circuit  <ul> <li>number of poles for main current circuit</li> <li>adjustable current response value current of the current-dependent overload release</li> <li>operating voltage  <ul> <li>rated value</li> <li>rated value</li> </ul> </li> <li>20 690 V</li> </ul></li>	
● during transport  -50 +80 °C  relative humidity during operation  10 95 %  Main circuit  number of poles for main current circuit  adjustable current response value current of the current-dependent overload release  operating voltage  • rated value  - rated value	-20 +60 °C
relative humidity during operation  10 95 %  Main circuit  number of poles for main current circuit  adjustable current response value current of the current-dependent overload release  operating voltage  • rated value  10 95 %  0.35 0.5 A  20 690 V	-50 +80 °C
Main circuit  number of poles for main current circuit  adjustable current response value current of the current- dependent overload release  operating voltage  • rated value  20 690 V	-50 +80 °C
number of poles for main current circuit  adjustable current response value current of the current- dependent overload release  operating voltage  • rated value  20 690 V	10 95 %
adjustable current response value current of the current- dependent overload release  operating voltage  • rated value  0.35 0.5 A  20 690 V	
dependent overload release  operating voltage  ● rated value  20 690 V	3
• rated value 20 690 V	0.35 0.5 A
• at AC-3 rated value maximum 690 V	20 690 V
	690 V
• at AC-3e rated value maximum 690 V	690 V
operating frequency rated value 50 60 Hz	50 60 Hz
operational current rated value 0.5 A	0.5 A
operational current	
at AC-3 at 400 V rated value     0.5 A	0.5 A
C.O.A.	0.5 A
▼ ut /10 0 ut ±00 V lated Value U.J A	

operating power	
• at AC-3	
— at 230 V rated value	0.1 kW
— at 400 V rated value	0.12 kW
— at 500 V rated value	0.2 kW
— at 690 V rated value	0.3 kW
• at AC-3e	
— at 230 V rated value	0.1 kW
— at 400 V rated value	0.12 kW
— at 500 V rated value	0.2 kW
— at 690 V rated value	0.3 kW
operating frequency	
• at AC-3 maximum	15 1/h
• at AC-3e maximum	15 1/h
Auxiliary circuit	
number of CO contacts for auxiliary contacts	0
Protective and monitoring functions	
product function	
ground fault detection	No
phase failure detection	Yes
trip class	CLASS 10
design of the overload release	thermal
maximum short-circuit current breaking capacity (Icu)	
at AC at 240 V rated value	100 kA
at AC at 400 V rated value	100 kA
at AC at 500 V rated value	100 kA
at AC at 690 V rated value	100 kA
operating short-circuit current breaking capacity (Ics) at AC	
at 240 V rated value	100 kA
at 400 V rated value	100 kA
at 500 V rated value	100 kA
at 690 V rated value	100 kA
response value current of instantaneous short-circuit trip unit	6.5 A
UL/CSA ratings	
full-load current (FLA) for 3-phase AC motor	
• at 480 V rated value	0.5 A
at 600 V rated value	0.5 A
Short-circuit protection	
product function short circuit protection	Yes
design of the short-circuit trip	magnetic
design of the fuse link for IT network for short-circuit protection of the main circuit	Thug note
• at 240 V	none required
• at 400 V	None required
• at 500 V	None required
• at 690 V	gL/gG 4 A
Installation/ mounting/ dimensions	
mounting position	any
fastening method	screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715
height	90 mm
width	45 mm
depth	75 mm
required spacing	
• for grounded parts at 400 V	
— downwards	20 mm
— upwards	20 mm
— at the side	9 mm
• for live parts at 400 V	
— downwards	20 mm
— upwards	20 mm
— at the side	9 mm

<ul> <li>for grounded parts at 500 V</li> </ul>	
— downwards	20 mm
— upwards	20 mm
— at the side	9 mm
• for live parts at 500 V	
— downwards	20 mm
— upwards	20 mm
— at the side	9 mm
for grounded parts at 690 V	V IIIII
— downwards	20 mm
— upwards	20 mm
— backwards	0 mm
— at the side	9 mm
— forwards	0 mm
• for live parts at 690 V	V IIIII
— downwards	20 mm
— upwards	20 mm
— upwards — backwards	0 mm
— packwards — at the side	9 mm
— forwards	0 mm
Connections/ Terminals	
type of electrical connection	acray has been in all
• for main current circuit	screw-type terminals
arrangement of electrical connectors for main current circuit	Top and bottom
type of connectable conductor cross-sections	
• for main contacts	
— solid or stranded	2x (0,5 1,5 mm²), 2x (0,75 2,5 mm²), 2x (1 4 mm²)
— finely stranded with core end processing	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)
type of connectable conductor cross-sections	2x (0.0 1.0 mm ), 2x (0.10 2.0 mm )
• for auxiliary contacts	
— solid or stranded	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)
cond or orienteed	2x (6.6 1.6 mm ), 2x (6.7 6 2.6 mm )
tightening torque	
tightening torque  • for main contacts with screw-type terminals	0.8 1.2 N·m
• for main contacts with screw-type terminals	0.8 1.2 N·m
<ul><li>for main contacts with screw-type terminals</li><li>for auxiliary contacts with screw-type terminals</li></ul>	0.8 1.2 N·m
for main contacts with screw-type terminals     for auxiliary contacts with screw-type terminals     size of the screwdriver tip	
for main contacts with screw-type terminals     for auxiliary contacts with screw-type terminals     size of the screwdriver tip  design of the thread of the connection screw	0.8 1.2 N·m Pozidriv size 2
for main contacts with screw-type terminals     for auxiliary contacts with screw-type terminals     size of the screwdriver tip     design of the thread of the connection screw     for main contacts	0.8 1.2 N·m
for main contacts with screw-type terminals     for auxiliary contacts with screw-type terminals     size of the screwdriver tip     design of the thread of the connection screw         for main contacts  Safety related data	0.8 1.2 N·m Pozidriv size 2  M3
for main contacts with screw-type terminals     for auxiliary contacts with screw-type terminals     size of the screwdriver tip     design of the thread of the connection screw         for main contacts  Safety related data product function suitable for safety function	0.8 1.2 N·m Pozidriv size 2
for main contacts with screw-type terminals     for auxiliary contacts with screw-type terminals     size of the screwdriver tip     design of the thread of the connection screw         for main contacts  Safety related data     product function suitable for safety function     suitability for use	0.8 1.2 N·m Pozidriv size 2  M3  Yes
for main contacts with screw-type terminals     for auxiliary contacts with screw-type terminals     size of the screwdriver tip     design of the thread of the connection screw         for main contacts  Safety related data  product function suitable for safety function  suitability for use     safety-related switching on	0.8 1.2 N·m Pozidriv size 2  M3  Yes  No
for main contacts with screw-type terminals     for auxiliary contacts with screw-type terminals     size of the screwdriver tip     design of the thread of the connection screw         for main contacts  Safety related data  product function suitable for safety function  suitability for use     safety-related switching on     safety-related switching OFF	0.8 1.2 N·m  Pozidriv size 2  M3  Yes  No Yes
for main contacts with screw-type terminals     for auxiliary contacts with screw-type terminals     size of the screwdriver tip  design of the thread of the connection screw     for main contacts  Safety related data product function suitable for safety function suitability for use     safety-related switching on     safety-related switching OFF service life maximum	0.8 1.2 N·m Pozidriv size 2  M3  Yes  No Yes  10 a
for main contacts with screw-type terminals     for auxiliary contacts with screw-type terminals     size of the screwdriver tip  design of the thread of the connection screw     for main contacts  Safety related data  product function suitable for safety function suitability for use     safety-related switching on     safety-related switching OFF  service life maximum test wear-related service life necessary	0.8 1.2 N·m  Pozidriv size 2  M3  Yes  No Yes
for main contacts with screw-type terminals     for auxiliary contacts with screw-type terminals     size of the screwdriver tip  design of the thread of the connection screw     for main contacts  Safety related data  product function suitable for safety function     suitability for use     safety-related switching on     safety-related switching OFF  service life maximum  test wear-related service life necessary  proportion of dangerous failures	0.8 1.2 N·m Pozidriv size 2  M3  Yes  No Yes  10 a Yes
for main contacts with screw-type terminals     for auxiliary contacts with screw-type terminals     size of the screwdriver tip     design of the thread of the connection screw         for main contacts  Safety related data     product function suitable for safety function     suitability for use         safety-related switching on         safety-related switching OFF     service life maximum     test wear-related service life necessary     proportion of dangerous failures         with low demand rate according to SN 31920	0.8 1.2 N·m Pozidriv size 2  M3  Yes  No Yes 10 a Yes 40 %
for main contacts with screw-type terminals     for auxiliary contacts with screw-type terminals     size of the screwdriver tip  design of the thread of the connection screw     for main contacts  Safety related data  product function suitable for safety function  suitability for use     safety-related switching on     safety-related switching OFF  service life maximum  test wear-related service life necessary  proportion of dangerous failures     with low demand rate according to SN 31920     with high demand rate according to SN 31920	0.8 1.2 N·m Pozidriv size 2  M3  Yes  No Yes  10 a Yes  40 % 50 %
for main contacts with screw-type terminals     for auxiliary contacts with screw-type terminals     size of the screwdriver tip  design of the thread of the connection screw     for main contacts  Safety related data product function suitable for safety function suitability for use     safety-related switching on     safety-related switching OFF service life maximum test wear-related service life necessary proportion of dangerous failures     with low demand rate according to SN 31920     with high demand rate according to SN 31920  B10 value with high demand rate according to SN 31920	0.8 1.2 N·m Pozidriv size 2  M3  Yes  No Yes  10 a Yes  40 % 50 % 5 000
for main contacts with screw-type terminals     for auxiliary contacts with screw-type terminals     size of the screwdriver tip  design of the thread of the connection screw     for main contacts  Safety related data  product function suitable for safety function  suitability for use     safety-related switching on     safety-related switching OFF  service life maximum  test wear-related service life necessary  proportion of dangerous failures     with low demand rate according to SN 31920     with high demand rate according to SN 31920	0.8 1.2 N·m Pozidriv size 2  M3  Yes  No Yes  10 a Yes  40 % 50 %
for main contacts with screw-type terminals     for auxiliary contacts with screw-type terminals     size of the screwdriver tip  design of the thread of the connection screw     for main contacts  Safety related data product function suitable for safety function suitability for use     safety-related switching on     safety-related switching OFF service life maximum test wear-related service life necessary proportion of dangerous failures     with low demand rate according to SN 31920     with high demand rate according to SN 31920 failure rate [FIT] with low demand rate according to SN	0.8 1.2 N·m Pozidriv size 2  M3  Yes  No Yes  10 a Yes  40 % 50 % 5 000
• for main contacts with screw-type terminals     • for auxiliary contacts with screw-type terminals     size of the screwdriver tip  design of the thread of the connection screw     • for main contacts  Safety related data  product function suitable for safety function suitability for use     • safety-related switching on     • safety-related switching OFF  service life maximum test wear-related service life necessary proportion of dangerous failures     • with low demand rate according to SN 31920     • with high demand rate according to SN 31920  B10 value with high demand rate according to SN 31920 failure rate [FIT] with low demand rate according to SN 31920 ISO 13849	0.8 1.2 N·m Pozidriv size 2  M3  Yes  No Yes  10 a Yes  40 % 50 % 5 000
for main contacts with screw-type terminals     for auxiliary contacts with screw-type terminals     size of the screwdriver tip  design of the thread of the connection screw     for main contacts  Safety related data  product function suitable for safety function suitability for use     safety-related switching on     safety-related switching OFF service life maximum test wear-related service life necessary proportion of dangerous failures     with low demand rate according to SN 31920     with high demand rate according to SN 31920 B10 value with high demand rate according to SN 31920 failure rate [FIT] with low demand rate according to SN 31920 ISO 13849 device type according to ISO 13849-1	0.8 1.2 N·m Pozidriv size 2  M3  Yes  No Yes  10 a Yes  40 % 50 % 5 000 50 FIT
• for main contacts with screw-type terminals     • for auxiliary contacts with screw-type terminals     size of the screwdriver tip  design of the thread of the connection screw     • for main contacts  Safety related data  product function suitable for safety function suitability for use     • safety-related switching on     • safety-related switching OFF  service life maximum test wear-related service life necessary proportion of dangerous failures     • with low demand rate according to SN 31920     • with high demand rate according to SN 31920  B10 value with high demand rate according to SN 31920 failure rate [FIT] with low demand rate according to SN 31920 ISO 13849	0.8 1.2 N·m Pozidriv size 2  M3  Yes  No Yes  10 a Yes  40 % 50 % 5 000 50 FIT
for main contacts with screw-type terminals     for auxiliary contacts with screw-type terminals     size of the screwdriver tip  design of the thread of the connection screw     for main contacts  Safety related data product function suitable for safety function suitability for use     safety-related switching on     safety-related switching OFF service life maximum test wear-related service life necessary proportion of dangerous failures     with low demand rate according to SN 31920     with high demand rate according to SN 31920  B10 value with high demand rate according to SN 31920 failure rate [FIT] with low demand rate according to SN 31920 ISO 13849 device type according to ISO 13849-1 overdimensioning according to ISO 13849-2 necessary IEC 61508	0.8 1.2 N·m Pozidriv size 2  M3  Yes  No Yes  10 a Yes  40 % 50 % 5 000 50 FIT
• for main contacts with screw-type terminals     • for auxiliary contacts with screw-type terminals     size of the screwdriver tip  design of the thread of the connection screw     • for main contacts  Safety related data  product function suitable for safety function  suitability for use     • safety-related switching on     • safety-related switching OFF  service life maximum  test wear-related service life necessary  proportion of dangerous failures     • with low demand rate according to SN 31920     • with high demand rate according to SN 31920  B10 value with high demand rate according to SN 31920  failure rate [FIT] with low demand rate according to SN 31920  ISO 13849  device type according to ISO 13849-1  overdimensioning according to ISO 13849-2 necessary  IEC 61508  safety device type according to IEC 61508-2	0.8 1.2 N·m Pozidriv size 2  M3  Yes  No Yes  10 a Yes  40 % 50 % 5 000 50 FIT
for main contacts with screw-type terminals     for auxiliary contacts with screw-type terminals     size of the screwdriver tip  design of the thread of the connection screw     for main contacts  Safety related data  product function suitable for safety function suitability for use     safety-related switching on     safety-related switching OFF service life maximum test wear-related service life necessary proportion of dangerous failures     with low demand rate according to SN 31920     with high demand rate according to SN 31920 B10 value with high demand rate according to SN 31920 failure rate [FIT] with low demand rate according to SN 31920 ISO 13849 device type according to ISO 13849-1 overdimensioning according to ISO 13849-2 necessary IEC 61508 safety device type according to IEC 61508-2 Electrical Safety	0.8 1.2 N·m Pozidriv size 2  M3  Yes  No Yes  10 a Yes  40 % 50 % 5 000 50 FIT
for main contacts with screw-type terminals     for auxiliary contacts with screw-type terminals     size of the screwdriver tip  design of the thread of the connection screw     for main contacts  Safety related data  product function suitable for safety function suitability for use     safety-related switching on     safety-related switching OFF service life maximum test wear-related service life necessary proportion of dangerous failures     with low demand rate according to SN 31920     with high demand rate according to SN 31920 B10 value with high demand rate according to SN 31920 failure rate [FIT] with low demand rate according to SN 31920 ISO 13849 device type according to ISO 13849-1 overdimensioning according to ISO 13849-2 necessary IEC 61508 safety device type according to IEC 61508-2 Electrical Safety protection class IP on the front according to IEC 60529	0.8 1.2 N·m Pozidriv size 2  M3  Yes  No Yes  10 a Yes  40 % 50 % 5 000 50 FIT  3 Yes  Type A
for main contacts with screw-type terminals     for auxiliary contacts with screw-type terminals     size of the screwdriver tip     design of the thread of the connection screw         for main contacts  Safety related data     product function suitable for safety function     suitability for use         safety-related switching on         safety-related switching OFF     service life maximum     test wear-related service life necessary     proportion of dangerous failures         with low demand rate according to SN 31920         swith high demand rate according to SN 31920  B10 value with high demand rate according to SN 31920  failure rate [FIT] with low demand rate according to SN 31920  ISO 13849     device type according to ISO 13849-1     overdimensioning according to ISO 13849-2 necessary     IEC 61508     safety device type according to IEC 61508-2     Electrical Safety     protection class IP on the front according to IEC 60529     touch protection on the front according to IEC 60529	0.8 1.2 N·m Pozidriv size 2  M3  Yes  No Yes  10 a Yes  40 % 50 % 5 000 50 FIT
for main contacts with screw-type terminals     for auxiliary contacts with screw-type terminals     size of the screwdriver tip  design of the thread of the connection screw     for main contacts  Safety related data  product function suitable for safety function suitability for use     safety-related switching on     safety-related switching OFF service life maximum test wear-related service life necessary proportion of dangerous failures     with low demand rate according to SN 31920     with high demand rate according to SN 31920 B10 value with high demand rate according to SN 31920 failure rate [FIT] with low demand rate according to SN 31920 ISO 13849 device type according to ISO 13849-1 overdimensioning according to ISO 13849-2 necessary IEC 61508 safety device type according to IEC 61508-2 Electrical Safety protection class IP on the front according to IEC 60529	0.8 1.2 N·m Pozidriv size 2  M3  Yes  No Yes  10 a Yes  40 % 50 % 5 000 50 FIT  3 Yes

## **General Product Approval**







Confirmation



<u>KC</u>

General Product Approval

For use in hazardous locations

**Test Certificates** 

Marine / Shipping







Type Test Certificates/Test Report Special Test Certificate



## Marine / Shipping













other

er Railway Environment

Confirmation

**Miscellaneous** 



Special Test Certificate Environmental Confirmations

## Further information

Information on the packaging

https://support.industry.siemens.com/cs/ww/en/view/109813875

Information- and Downloadcenter (Catalogs, Brochures,...)

https://www.siemens.com/ic10

Industry Mall (Online ordering system)

https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RV1011-0FA10

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RV1011-0FA10

Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

https://support.industry.siemens.com/cs/ww/en/ps/3RV1011-0FA10

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

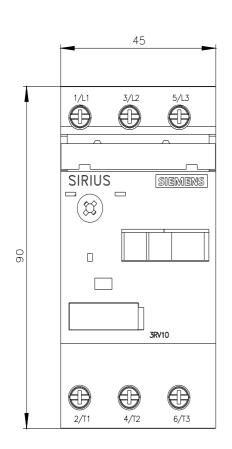
http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RV1011-0FA10&lang=en

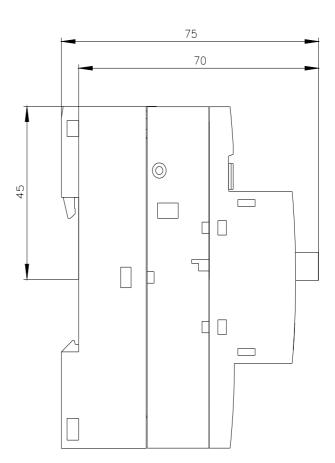
Characteristic: Tripping characteristics, I²t, Let-through current

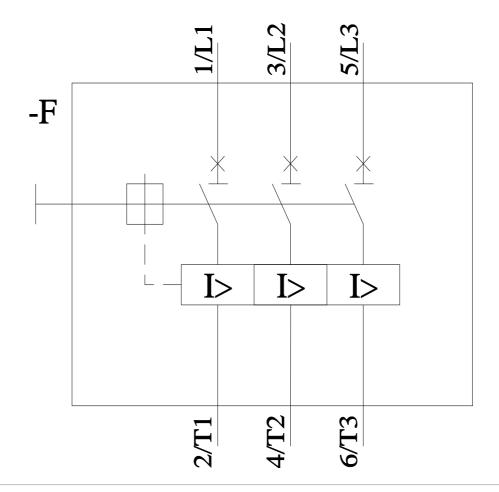
https://support.industry.siemens.com/cs/ww/en/ps/3RV1011-0FA10/char

Further characteristics (e.g. electrical endurance, switching frequency)

http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RV1011-0FA10&objecttype=14&gridview=view1







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